Building Technology for Low Income Regions

Yaw Anokwa
learning math and science in ghana
discovering computers
making mistakes and making money
computing for defense
inventing gadgets
Six months in rural Rwanda

Deploying infrastructure

Training staff

Observing clinical care

Managing data team

Writing code
Mobile phone subscribers per 1,000 people, 2005

Data not available

LOWEST
Ethiopia 6

Rwanda
32

HIGHEST
South Africa
724
1. Build a data collection or delivery form.

2. Collect or deliver the data on a mobile device.

3. Aggregate the responses on a server.
Crisis workers capturing images and locations of damaged areas after an earthquake.

Clinicians building decision support applications that use patient data to help determine when to administer tests.

Agricultural extension workers creating an application with video and audio clips explaining farming techniques.
First name
Please record your location
When is your birthday?
Please take a picture of yourself
ODK Collect
AMPATH uses ODK for home-based counseling and testing of millions of HIV patients in rural Kenya.
HRC uses ODK to document human rights violations in the Central African Republic, Uganda and Liberia.
The Brazilian Forest Service and Google.org is piloting ODK for in-situ monitoring of the Amazon rainforest.
About 40 projects in 20 countries
Home

Open Data Kit (ODK) is a free and open-source set tools which help organizations author, field, and manage mobile data collection solutions. ODK provides an out-of-the-box solution for users to:

1. **Build** a data collection form or survey;
2. **Collect** the data on a mobile device and send it to a server; and
3. **Aggregate** the collected data on a server and extract it in useful formats.

In addition to socio-economic and health surveys with GPS locations and images, ODK is being used to create decision support for clinicians and for building multimedia-rich nature mapping tools. See [featured deployments](http://opendatakit.org) and [list of tools](http://opendatakit.org) for more examples of what the ODK community is doing. We welcome and encourage [participation](http://opendatakit.org) from the user community.

Below is a [demo video](http://opendatakit.org) of Collect, our Android-based data collection client. Watch it, then [get started](http://opendatakit.org) building your data collection solution today!

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**BLOG**

**Site Launched!**

November 9, 2010

As the Open Data Kit community has grown, we’ve realized the need for a less technical resource for our users. Over the next few months, we will be building out this website as the new home for the community. Stay tuned!

**MAILING LIST**

**Field like textarea**

November 18, 2010

I would like to create a code field with some collected data. This code must be copied in other forms. I think it is necessary to show the code into a field like textarea. Then, the interviewer can copy (long-press) and paste in other form. That is possible with Xform for ODK Collect? [...] when phones meet other devices: ODK's integrated future

November 17, 2010

Dear ODKers, Reading up more on ODK, I discovered an excellent thread on how to get ODK and external devices (in that thread's case, Bluetooth-enabled sensors) to “talk to one another”. From the perspective of a practitioner, the prospect of connecting external measurement devices to ODK's core
MultiLearn
Creates a multi-player educational game which incorporates multiple input and split-screen UI.
\[
\begin{align*}
\frac{16}{9} & \quad \frac{15}{6} & \quad \frac{5}{2} & \quad \frac{4}{2}
\end{align*}
\]}
Mobile Midwives’ Ultrasound
Provides an inexpensive ultrasound designed for midwives in low-income regions.
questions?